SERM

Sustainability, Encroachment, and Room to Maneuver

Technologies for Planning Across Installation Fence Lines

SERM is a set of tools, data, expertise, and processes that help the Department of Defense sustain and evolve mission operations, both military and civil works. The concept for SERM emerged from exploratory research initiated at the U.S. Army Corps of Engineers Engineer Research and Development Center, Construction Engineering Research Laboratory (ERDC-CERL) in Champaign, IL.

The Future is Not Fixed - We should become more proactive in regional planning to help ensure that the planning investments and policies steer the region towards a future that is most conducive to accommodating future installation training and testing missions. This goes beyond simply predicting a future that we need to accept and "live with". Our tools and processes are best used to help ensure long-term training suitability.

SERM Capability Applications:

- JLUS
- National Infrastructure Assessment
- Realignment and Stationing
- Regional Planning
- Encroachment Quantification
- Compatible Use Zones
- Resource Capability Assessment

Land Use Change Analysis (LUCA™)

Conduct Trend Analysis

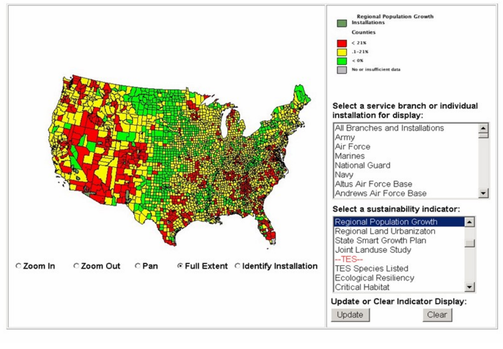
LEAM Land Use Change Model (LEAMluc™)

Project Urban Patterns

LEAM Training Area Suitability (LEAMtas)

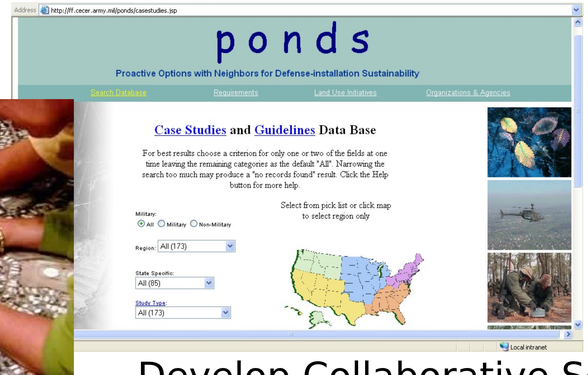
Quantify Mission Impacts

SIRRA™



Compare and Assess Sustainability

PONDS™


ponds
Proactive Options with Neighbors for Defense-installation Sustainability
Search Database
Requirements
Land Use Initiatives
Organizations & Agencies
Case Studies and Guidelines Data Base
For best results choose a criterion for only one or two of the fields at one time leaving the remaining categories as the default "All". Narrowing the search too much may produce a "no records found" result. Click the Help button for more help.
Select from pick list or click map to select region only
Military:
All
Military
Non-Military
Region:
All (173)
State Specific:
All (85)
Study Type:
All (173)
Local intranet

Develop Collaborative Solution

Please Take One

Sustaining Military Training Capabilities
SIRRA™ LUCA™ LEAM™ PONDS™
ERDC/CERL TN-03-1 rev. April 2005

Sustainable Installations Regional Resource Assessment: SIRRA™
A national level screening tool
ERDC/CERL TN-03-3 rev. March 2005

Land Use Change Analysis: LUCA™
Visualizing past urban development
ERDC/CERL TN-03-4 rev. March 2005

mLEAM™
military Landuse Evolution and Impact Assessment Modeling
ERDC/CERL TN-01-2 rev. April 2005

Proactive Options with Neighbors for Defense-Installation Sustainability: PONDS™
A Web capability to support installations & communities working together ERDC/CERL TN-04-3 rev. April 2005

Visit SERM online at:
https://eko.usace.army.mil/cop/serm/

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FORT FUTURE

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